	INTERNATIONAL SI	EARCH REPO	XT Inte	rnational applic PCT/JP2	004/017351
	EATION OF SUBJECT MATTE F16C11/04, F16C1				
According to Inte	ernational Patent Classification ((IPC) or to both na	tional classification and IPC		· · · · · · · · · · · · · · · · · · ·
B. FIELDS SE	ARCHED				
Int.Cl	nentation searched (classification F16C11/04, F16C1	.1/10			
			exte nt that such documents are		
	Shinan Koho tsuyo Shinan Koho	1922-1996 1971-2005	Jitsuyo Shinan Torok Toroku Jitsuyo Shina		1996-2005 1994-2005
Electronic data b	ase consulted during the interna	tional search (nam	e of data base and, where practi	cable, search te	rms used)
C. DOCUMEN	ITS CONSIDERED TO BE REI	LEVANT			
Category*	Citation of document w	ith indication who	re appropriate, of the relevant p	assages	Relevant to claim No.

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	JP 2001-59373 A (NHK Spring Co., Ltd.), 06 March, 2001 (06.03.01), Par. Nos. [0034], [0042] to [0046], [0048] to [0049], [0052]; Figs. 3, 4, 8, 10, 12 & WO 2000/077413 A1 & EP 1203890 A1	1-4,6	
Y	JP 11-173327 A (Pureshijon Supuringu Kabushiki Kaisha), 29 June, 1999 (29.06.99), Par. Nos. [0010] to [0012] (Family: none)	1-4,6	
Y	JP 2001-185868 A (Kabushiki Kaisha Strawberry Corporation), 06 July, 2001 (06.07.01), Par. Nos. [0020] to [0031]; Fig. 3 & US 6633643 B1	1-4,6	

×	Further documents are listed in the continuation of Box C.		See patent family annex.
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" "L"	earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"O" "P"	cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"Ł"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family
	of the actual completion of the international search 15 March, 2005 (15.03.05)	Date	e of mailing of the international search report 29 March, 2005 (29.03.05)
	e and mailing address of the ISA/	Autl	norized officer

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/017351

Category*	Citation of document with a way	
	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-161311 A (Kabushiki Kaisha Strawberry Corporation), 06 June, 2003 (06.06.03), Par. Nos. [0030] to [0035]; Fig. 6 (Family: none)	1-4,6
Y	JP 9-329127 A (NHK Spring Co., Ltd.), 22 December, 1997 (22.12.97), Par. Nos. [0017] to [0020]; Figs. 7 to 9 (Family: none)	1-4,6
A	JP 10-68412 A (NHK Spring Co., Ltd.), 10 March, 1998 (10.03.98), Full text; Figs. 1 to 17 (Family: none)	1-6
A	JP 2001-107941 A (Katoh Electrical Machinery Co., Ltd.), 17 April, 2001 (17.04.01), Full text; Figs. 1 to 5 & KR 1050634 A	1-6
A	JP 2003-156029 A (Kabushiki Kaisha Osuzu), 30 May, 2003 (30.05.03),. Full text; Fig. 2 (Family: none)	1-6
P,Y	JP 2004-190785 A (Kabushiki Kaisha Strawberry Corporation), 08 July, 2004 (08.07.04), Full text; Fig. 5 (Family: none)	5